

# ADITYA SUDHAKAR BHUMRE

B.E - Mechanical - MITAOE

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## SUMMARY

I am sincerely graduated engineer in Mechanical stream with appreciable academic grades. And would like to start a challenge career with a company, which provide youngsters a chance to develop their knowledge and skills. As I have participated in SAE BAJA India, I am having good practical knowledge as well as theoretical knowledge in field of automotive engineering. This project really made me multi-tasking person in field of designing, manufacturing, selling and marketing at basic level. But I have learned more about designing field (CAD, Product Designing, CAE, Press Tool, Mould) in IGTR, Aurangabad as compared to other fields.

## SKILLS

Industrial Designing

Sketching

High judgment

Creative

Problem Solving

Leadership

Work Management

Team Work

Time Management

Multi-Processing

## EDUCATION

### Savitribai Phule Pune University

2015 - 2019

B.E. - Mechanical - MITAOE | CGPA: 7.02 / 10.00

### Aurangabad Board

2015

12th | Percentage: 62.62%

### Pune Board

2013

10th | Percentage: 74.94%

## PROJECTS

### Design of Progressive Tool for Brake Rotor

Aug. 5, 2019 - Jan. 31, 2020

Mentor: Mr. Bhagyashil Meshram | Team Size: 1

Key Skills: Solid Works Siemens NX Auto CAD Ansys

This Project was a task given to every student of IGTR, Aurangabad to design Press tool. So, by doing this I was able to learn basic knowledge about Progressive Press Tool like how it works and what things should be taken in considerations.

### Process Parameter optimization of Abrasive Water Jet Machining (AWJM) for Titanium (Ti6Al4V)

June 4, 2018 – May 8, 2019

Mentor: Prof. A.K. Chandgude | Team Size: 4

Key Skills: Minitab Taguchi Method Grey Relation Analysis Variance of Analysis Microsoft Excel

It is Completely Research based Project. In this Project AWJM Parameters like Stand of Distance, Water Pressure, Nozzle Transverse Speed and Abrasive flow rate were Optimized in order to obtain High quality surface finish and to increase Material removal rate of Titanium (Ti6Al4V) Material.

### BAJA SAE India

Jan. 25, 2018 - Jan. 28, 2018

Mentor: Prof. B.R Patil | Team Size: 25

Key Skills: Catia Ansys Design Manufacturing Microsoft Word

BAJA SAE India is an International level Competition Organized by SAE India. In this Project we designed an ATV representing our college and while doing this my contribution was in designing steering system of ATV.

### Enduro Student India

Jan. 4, 2017 - Jan. 7, 2017

Mentor: Prof. P.B Chaudhary | Team Size: 30

Key Skills: Catia Ansys Design Manufacturing Microsoft Word

Enduro Student India is a National level Competition organized by Delta. In this Project we designed an ATV representing our college and while doing this my contribution was in designing Brake system of ATV.

## PUBLICATIONS

### Optimization of Abrasive Water Jet Machining: A Review

May 2019

IRJET | Mentor: Prof. Abhimanyu K. Chandgude | No. of Authors: 6

In this review paper we mentioned different methods of optimization and effect of AWJM parameters like Stand of distance, Transverse Speed, Abrasive flow rate and Pressure on Outputs like Surface Roughness, Material Removal Rate and Kurf Width. While writing this Review paper we studied twenty to twenty-five Research Papers and concluded with some important points in this Paper to make easy for others to research on same topic.

## CERTIFICATIONS

### Training Camp of 3 MAH NAVAL UNIT

It was a Training Camp organized by Directorate of Maharashtra held at Khane Phata.

### NCC 'A' Certificate

It is National Cadet Corps (NCC) A certificate Examination organized by NCC Directorate of Maharashtra.

### Master Certification in Computer Aided Tool Engineering

It is 6 months Course which was started on 5th August 2019 and ended on 30th January 2020. It was helpful in order to increase knowledge in designing-field by learning bunch of softwares with some design skills.

### Vehicle Dynamic Workshop

Conducted Practical session on Steering System at Vehicle Dynamic workshop Organized by MIT AOE Auto-sports club.

### Vehicle Dynamic Workshop

Conducted Practical session on Brake System at Vehicle Dynamic workshop Organized by MIT AOE Auto-sports club.

### International Research Journal of Engineering and Technology

It is an ISO 9001: 2008 Certified Journal of Manuscript entitled Optimization of Abrasive Water Jet Machine Parameters: A Review

## SEMINARS / TRAININGS / WORKSHOPS

### Master Certificate course in Computer Aided Tool Engineering

Aug. 5, 2019 - Jan. 30, 2020

**Institute Name:** IGTR Aurangabad

**Key Skills:**

Auto CAD

Solid Works

Creo

Siemens NX

Ansys

Hyper mesh

Press Tool Design

Mould Design

### Professional Development Workshop

Sept. 28, 2017 - Sept. 29, 2017

**Institute Name:** MIT Academy of Engineering

**Key Skills:**

Leadership Development

Work Management

Time Management

### Training Camp of 3 MAH NAVAL UNIT

Aug. 30, 2011 - Sept. 8, 2011

**Institute Name:** NCC Directorate of Maharashtra

**Key Skills:**

Hard Work

Confidentiality

Energetic

Discipline

## CO-CURRICULAR ACTIVITIES

- NCC (National Cadet Corps)
- RSP (Road Safety Patrol)
- Training Camp of 3 MAH NAVAL UNIT NCC

## EXTRA-CURRICULAR ACTIVITIES

- BAJA SAE India
- Enduro Student India
- Inter School Drawing Competition
- Prose & Poetry Competitions in English, Hindi and Marathi

## PERSONAL INTEREST

- Reading Non-Fiction Books
- Drawing sketches
- Playing Indoor and Outdoor Games

## PERSONAL DETAILS

**Gender:** Male

**Date of Birth:** July 16, 1997

**Known Languages:** Marathi (Mother tongue), Hindi and English (Good spoken and written Command)

**Marital Status:** Unmarried

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